

## **PS&E Time**

Plans submitted for letting are being reviewed for practical design in the Central Office. The core teams (including the Design Division Technical Support Engineer) are to be actively revisiting all projects and making revisions as appropriate for practical design before PS&E submittal. The Central Office and districts have a responsibility to work together to deliver the STIP. The Central Office Program Delivery PS&E review team is comprised of the following:

Dave Nichols	Jim Smith	Travis Koestner
Kathy Harvey	Charles Pursley	Ralph Rankin
Jay Bestgen	Bruce Green	Randy Hitt
Mike Stelzleni	Tim Redmond	Paul Kelly

Each Design Division Technical Support Engineer is to review the final scope submitted at PS&E time by their respective district/s. Some of the practical design concerns seen at PS&E time are:

- Superpave on minor routes
- Bridge approach slabs on minor routes
- Full depth shoulders
- Shoulder paving on minor routes
- Pavement thicknesses exceeding existing
- Optional and alternate pavement not used
- Bridge replacement projects with large quantities of pavement replacement
- Excessive bridge widths on minor routes
- Temporary bypasses
- Bridge stage construction instead of road closure
- Bridges design frequencies too high
- Bridge lengths longer than existing
- Safety zones on minor routes
- Unbalanced earthwork

The Design Division prepares the engineer's estimate before receiving bids on all projects. The engineer's estimate (cost based) is compared to the District PS&E estimate (bid history based) and the STIP program estimate developed during the scoping process. Projects submitted for letting having engineer's estimates differing approximately 10% or more from the STIP program budget are discussed with the District before bid advertisement to give the district a chance to make decisions impacting their programming needs.

The award or rejection of a project is determined by the evaluation of the contractor's bid with the engineer's estimate, not the STIP program estimate or the District PS&E estimate. See PDM Subsections 1-02.13 through 1-02.15 for more discussion on estimating, bid analysis and bid award.